

CURRENT INDUSTRIAL REPORTS SERIES

2007

MA334T — METERS AND TEST DEVICES

DEFINITIONS AND SPECIAL INSTRUCTIONS

1. Scope of this survey

This survey covers the manufacture of meters and test devices and related products.

2. Figures to be reported

Companies with more than one establishment manufacturing the products covered by this survey are requested to complete a separate report form for each location. If you have not received a separate form for each of your establishments, please call the contact shown on the report form or write to the U.S. Census Bureau for additional forms.

a. Value of Shipments

The figures on value of shipments should include the physical shipments of all products sold, transferred to other establishments within your company, or shipped on consignment, whether for domestic or export sale. The value represents the net sales price, f.o.b. plant, to the customer or branch to which the products are shipped, net of discounts, allowances, freight charges and returns. Shipments to your own branches should be assigned the same value as comparable sales to unaffiliated customers, i.e., the value includes an appropriate allocation of company overhead and profit. Products bought and resold without further manufacture should not be included in shipments.

Report value of shipments in thousands of dollars.

Include:

- All shipments, whether for domestic use or for export
- Shipments on consignments as well as for sale

- Interplant transfers in which products are shipped from one plant of your company to another plant or sales branch
- Private brand units as well as your own company brand units

Exclude:

- Products manufactured for you by others
- Products bought and resold without further manufacture by your company
- Imports which are reshipped without further domestic manufacture

b. Research and Development

Dollar shipments should reflect income from development, design, and engineering services performed by the reporting plant in connection with the manufacture of the products shipped, whether included in a single production contract, or contracted for separately, but intended as preparation for the manufacture of the specific products.

c. Columnar structure of report

When entering your figures on the report, please be sure to report the information in the correct columns as follows:

Column 1 – Value (report shipments in thousand of dollars. (Example: \$1,000,000, report as \$1,000)

3. Definitions

The product detail for this survey, as shown in the Reference List is defined according to standard nomenclature for this industry.

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4. Comparability

Data reported in this survey should correspond to data reported in the Economic Census - Manufacturing Sector form. The sum of values for item codes shown in column (a) should correspond to dollar values reported under product codes indicated in column (b) below.

Current Industrial Reports (Form MA334T) Item codes (a)	Economic Census - Manufacturing Sector Product codes (b)
5408 through 5425	3345141100
5511 through 5515	3345143100
5611 through 5631	3345151100
5704 through 5849	3345154100
6017 through 6057	3345155100
6201 through 6216	3345194100
7005 through 7039	3345195100
7205 through 7220	3345197100

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REFERENCE LIST

FORM MA334T		
Product code	Item code	Item Description
INTEGRATING AND TOTALIZING METERS FOR GAS AND LIQUIDS		
3345141108	5408	Gas meters, consumption registering
3345141116	5421	Liquid meters, positive displacement with registers and counters
3345141119	5425	Parts, components, and accessories for gas and liquid meters
3345141100	5429	Total integrating and totalizing meters for gas and liquids (sum of item codes 5408–5425)
COUNTING DEVICES		
3345143104	5511	Mechanical, electrical, and electronic input counting devices
3345143108	5515	All other counting devices, including parts (toll meters, fare collection equipment systems, parking lot systems, taximeters, parking meters, etc.)
3345143100	5529	Total counting devices (sum of item codes 5511 and 5515)
INTEGRATING INSTRUMENTS, ELECTRICAL		
3345151104	5611	A.c. watt meters
3345151105	5621	Demand meters
3345151107	5625	Other electrical integrating meters
3345151109	5631	Parts and accessories for integrating meters
3345151100	5639	Total integrating instruments, electrical (sum of item codes 5611–5631)
TEST EQUIPMENT FOR TESTING ELECTRICAL RADIO AND COMMUNICATION CIRCUITS AND MOTORS		
3345154102	5704	Voltage, current, and resistance measuring equipment
3345154111	5711	Multimeters
3345154114	5714	Power and energy measuring equipment
3345154126	5729	Waveform measuring and/or analyzing equipment
3345154136	5739	Signal generating equipment
3345154141	5748	Field strength and intensity measuring equipment
3345154149	5759	Automatic test and measuring equipment: Combination and/or group test sets Component part test sets: Semiconductor component test equipment:
3345154153	5762	Memory
3345154157	5764	Microprocessor
3345154159	5765	Other semiconductor component test equipment
3345154161	5766	Loaded circuit board test equipment
3345154163	5767	Other component part test sets and equipment
3345154165	5769	Equipment and subassembly test equipment
3345154168	5775	Standards and calibration equipment

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REFERENCE LIST—Continued

FORM MA334T		
Product code	Item code	Item Description
TEST EQUIPMENT FOR TESTING ELECTRICAL RADIO AND COMMUNICATION CIRCUITS AND MOTORS—Continued		
*3345154175	5782	Communications test equipment
*3345154179	5784	Network analyzers
*3345154183	5786	Fiber optics
*3345154185	5787	Microwave
		Other communications test equipment
*3345154196	5817	Other test equipment
*3345154197	5849	Parts and components for test equipment
3345154100	5899	Total test equipment for testing electrical radio and communication circuits and motors (<i>sum of item codes 5704–5849</i>)
OTHER INSTRUMENTS TO MEASURE ELECTRICITY		
3345155114	6017	Electrical indicating instruments: panel type
3345155121	6024	Electrical indicating instruments: portable
3345155124	6036	Electrical recording instruments
3345155127	6037	Other instruments to measure electricity
3345155135	6057	Parts and accessories for indicating and recording instruments
3345155100	6059	Total other instruments to measure electricity (<i>sum of item codes 6017–6057</i>)
PHYSICAL PROPERTIES TESTING AND INSPECTION EQUIPMENT AND KINEMATIC TESTING AND MEASURING EQUIPMENT		
Physical properties testing equipment, including hardness, tensile, stress, strain, abrasion, strength, torsion, wear, and similar testing equipment:		
3345194101	6201	For testing of metals
3345194104	6204	Other, including parts
Physical properties inspection equipment, including flaw detection, thickness measuring, and similar inspection equipment:		
3345194107	6207	For testing of metals
3345194109	6210	Measuring and checking flow of fluids
3345194112	6215	Other, including parts
3345194116	6216	Kinematic testing and measuring equipment, including parts (including vibration, acceleration, and other motion testing equipment)
3345194100	6229	Total physical properties testing and inspection equipment and kinematic testing and measuring equipment (<i>sum of item codes 6201–6216</i>)

* New or revised for 2007

CURRENT INDUSTRIAL REPORTS SERIES

REFERENCE LIST—Continued

FORM MA334T		
Product code	Item code	Item Description
NUCLEAR RADIATION DETECTION AND MONITORING INSTRUMENTS		
3345195105	7005	Nuclear monitoring instruments (include environment, personal dosimetry, and medical monitors)
3345195125	7035	Nuclear instrument modules
3345195126	7036	Radiation detecting elements, nuclear power supplies, and measuring and control devices that use beta, gamma, or neutron gauge technology
3345195127	7037	Other nuclear radiation detection and monitoring instruments
3345195129	7039	Parts and components for nuclear radiation and detection and monitoring instruments
3345195100	7049	Total nuclear radiation detection and monitoring instruments (<i>sum of item codes 7005–7039</i>)
COMMERCIAL, GEOPHYSICAL, METEOROLOGICAL, AND GENERAL PURPOSE INSTRUMENTS AND EQUIPMENT		
3345197119	7205	Thermometers (all kinds)
3345197124	7210	Meteorological electronics equipment and instruments
3345197127	7215	Seismic instruments
3345197135	7220	All other instruments not listed above, including compasses, altimeters, humidity indicating and recording instruments, environmental gas detectors, air sampling instruments, dynamometers, etc.
3345197100	7297	Total commercial, geophysical, meteorological, and general purpose instruments and equipment (<i>sum of item codes 7205–7220</i>)
SELECTED NONMANUFACTURING REVENUES		
999998900	9945	Resales—Sales of products bought and sold without further manufacture, processing, or assembly
999998041	9970	Receipts for research and development work
NOTES:		

REPORT FOR CALENDAR YR 2007

U.S. DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS

FORM **MA334T**

CURRENT INDUSTRIAL REPORTS

METERS AND TEST DEVICES

Annual Report

The 8-digit number that appears above indicates that the Office of Management and Budget has approved this survey. If that number is not displayed, do not complete this form. **YOUR RESPONSE IS REQUIRED BY LAW** (Title 13, United States Code). By section 9 of the same law, **YOUR REPORT IS CONFIDENTIAL**. It may be seen only by persons sworn to uphold the confidentiality of Census Bureau information and may be used only for statistical purposes. The law also provides that copies retained in your files are immune from legal process.

In correspondence pertaining to this establishment's report, please refer to the 11 digit Identification Number (ID) 01234567890



ID 01234567890 577 00 0701 17 MA334T
00 2007A1 MA334T

SEQ: 1

ATTN: Controller
TEST FORM

SUITLAND MD 20850

If you have questions regarding this report form please contact:
JESSE DAWSON EXT 2
1(800)201-4647

EMPLOYER IDENTIFICATION (EI) NUMBER. Identification number used on Employer's Quarterly Federal Tax Return (U.S. Treasury Department Form 941) **(Enter if not shown, correct if wrong.)**

CONTACT PERSON (Enter information if not shown, correct if wrong.)
Name ATTN: Controller

Area code Number

Fax number

(Please correct any error in name and address including ZIP Code)

Enter or correct email address: []

PART I FOR EACH ITEM LISTED BELOW, ENTER FIGURES OR "0" for current period. (The figures shown in the shaded areas were reported for the previous two periods.) PLEASE REFER TO THE INSTRUCTIONS BEFORE COMPLETING THIS REPORT FORM.

Item (Product code - Description)	Item code	Report period	Value {\$1000}	{Do not report imported or purchased products on which your company performed no further fabrication or significant assembly.}					
				1	2	3	4	5	6
If BOOK FIGURES are not readily available, reasonable estimates are acceptable.									
INTEGRATING & TOTALIZING METERS FOR GAS AND LIQUIDS									
3345141108-Gas meters, consumption registering	5408	2007							
		2006							
		2005							
3345141116-Liquid meters, positive displacement with registers and counters	5421	2007							
		2006							
		2005							

* Figures not received when form was prepared. PLEASE ENTER, if not previously submitted.

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PART I - Continued

Item (Product code - Description)	Item code	Report period	Value		{Do not report imported or purchased products on which your company performed no further fabrication or significant assembly.}							
			{ \$1000 }									
			1	2	3	4	5	6				
3345141119-Parts, components, and accessories for gas and liquid meters	5425	2007										
		2006										
		2005										
3345141100-Total integrating & totalizing meters for gas & liquids {sum of item codes 5408-5425}	5429	2007										
		2006										
		2005										
COUNTING DEVICES												
3345143104-Mechanical, electrical, and electronic input counting devices	5511	2007										
		2006										
		2005										
3345143108-All other counting devices, including parts {see manual}	5515	2007										
		2006										
		2005										
3345143100-Total counting devices {sum of item codes 5511 and 5515}	5529	2007										
		2006										
		2005										
INTEGRATING INSTRUMENTS, ELECTRICAL												
3345151104-A.C. watt meters	5611	2007										
		2006										
		2005										
3345151105-Demand meters	5621	2007										
		2006										
		2005										
3345151107-Other electrical integrating meters	5625	2007										
		2006										
		2005										

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PART I - Continued

Item (Product code - Description)	Item code	Report period	Value					
			{ \$1000 }					
3345151109-Parts & accessories for integrating meters	5631	2007	1	2	3	4	5	6
		2006						
		2005						
3345151100-Total integrating instruments, electrical {sum of items 5611-5631}	5639	2007						
		2006						
		2005						
TEST EQUIPMENT FOR TESTING ELECTRICAL RADIO AND COMMUNICATION CIRCUITS AND MOTORS								
3345154102-Voltage, current, and resistance measuring equipment	5704	2007						
		2006						
		2005						
3345154111-Multimeters	5711	2007						
		2006						
		2005						
3345154114-Power & energy measuring equipment	5714	2007						
		2006						
		2005						
3345154126-Waveform measuring and/or analyzing equipment	5729	2007						
		2006						
		2005						
3345154136-Signal generating equipment	5739	2007						
		2006						
		2005						
3345154141-Field strength and intensity measuring equipment	5748	2007						
		2006						
		2005						
3345154149-Automatic test and measuring equipment: combination and/or group test sets	5759	2007						
		2006						
		2005						

{Do not report imported or purchased products on which your company performed no further fabrication or significant assembly.}

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PART I - Continued

Item (Product code - Description)	Item code	Report period	Value		{Do not report imported or purchased products on which your company performed no further fabrication or significant assembly.}					
			1	2						
			1	2	3	4	5	6		
3345154153-Semiconductor component test equipment: memory	5762	2007								
		2006								
		2005								
3345154157-Semiconductor component test equipment: microprocessor	5764	2007								
		2006								
		2005								
3345154159-Other semiconductor component test equipment	5765	2007								
		2006								
		2005								
3345154161-Loaded circuit board test equipment	5766	2007								
		2006								
		2005								
3345154163-Other component part test sets & equipment	5767	2007								
		2006								
		2005								
3345154165-Equipment & sub-assembly test equipment	5769	2007								
		2006								
		2005								
3345154168-Standards and calibration equipment	5775	2007								
		2006								
		2005								
3345154175-Communications test equipment: network analyzers	5782	2007								
		2006								
		2005								
3345154179-Communications test equipment: fiber optics	5784	2007								
		2006								
		2005								
3345154183-Communications test equipment: microwave	5786	2007								
		2006								
		2005								

CURRENT INDUSTRIAL REPORTS - Continued

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PART I - Continued

Item (Product code - Description)	Item code	Report period	Value		{Do not report imported or purchased products on which your company performed no further fabrication or significant assembly.}					
			{\$1000}		1	2	3	4	5	6
3345154185-Other communications test equipment	5787	2007								
		2006								
		2005								
3345154196-Other test equipment	5817	2007								
		2006								
		2005								
3345154197-Parts & components for test equipment	5849	2007								
		2006								
		2005								
3345154100-Total test equip. for testing electrical radio & communic. circuits & motors {sum of items 5704-5849}	5899	2007								
		2006								
		2005								
OTHER INSTRUMENTS TO MEASURE ELECTRICITY										
3345155114-Electrical indicating instruments: panel type	6017	2007								
		2006								
		2005								
3345155121-Electrical indicating instruments: portable	6024	2007								
		2006								
		2005								
3345155124-Electrical recording instruments	6036	2007								
		2006								
		2005								
3345155127-Other instruments to measure electricity	6037	2007								
		2006								
		2005								
3345155135-Parts and accessories for indicating & recording instruments	6057	2007								
		2006								
		2005								

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PART I - Continued

Item (Product code - Description)	Item code	Report period	Value					
			{ \$1000 }					
3345155100-Total other instruments to measure electricity {sum of item codes 6017-6057}	6059	2007	1	2	3	4	5	6
		2006						
		2005						
PHYSICAL PROPERTIES TESTING & INSPECTION EQUIPMENT & KINEMATIC TESTING & MEASURING EQUIPMENT								
3345194101-Physical properties testing equip.: for testing of metals	6201	2007						
		2006						
		2005						
3345194104-Physical properties testing equip.: other, including parts	6204	2007						
		2006						
		2005						
3345194107-Physical properties inspection equipment: for testing of metals	6207	2007						
		2006						
		2005						
3345194109-Physical properties inspection equipment: measuring and checking of fluids	6210	2007						
		2006						
		2005						
3345194112-Physical properties inspection equipment: other, including parts	6215	2007						
		2006						
		2005						
3345194116-Kinematic testing and measuring equipment, including parts {see manual}	6216	2007						
		2006						
		2005						
3345194100-Total physical prop. testing & inspect. eq. kinematic testing/measuring eq. {sum of 6201-6216}	6229	2007						
		2006						
		2005						
NUCLEAR RADIATION DETECTION AND MONITORING INSTRUMENTS								

CURRENT INDUSTRIAL REPORTS - Continued

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PART I - Continued

Item (Product code - Description)	Item code	Report period	Value						
			1	2	3	4	5	6	
			{Do not report imported or purchased products on which your company performed no further fabrication or significant assembly.}						
			{\$1000}						
3345195105-Nuclear monitoring instruments {incl. environment, personal dosimetry, & medical monitors}	7005	2007							
		2006							
		2005							
3345195125-Nuclear instrument modules	7035	2007							
		2006							
		2005							
3345195126-Radiation detecting elements, nuclear power supplies {see manual}	7036	2007							
		2006							
		2005							
3345195127-Other nuclear radiation detection and monitoring instruments	7037	2007							
		2006							
		2005							
3345195129-Parts & components for nuclear radiation and detection and monitoring instruments	7039	2007							
		2006							
		2005							
3345195100-Total nuclear radiation detection & monitoring instruments {sum of items 7005-7039}	7049	2007							
		2006							
		2005							
COMMERCIAL, GEOPHYSICAL, METEOROLOGICAL, AND GENERAL PURPOSE INSTRUMENTS AND EQUIPMENT									
3345197119-Thermometers {all kinds}	7205	2007							
		2006							
		2005							
3345197124-Meteorological electronics equipment and instruments	7210	2007							
		2006							
		2005							
3345197127-Seismic instruments	7215	2007							
		2006							
		2005							

PART I - Continued								
Item (Product code - Description)	Item code	Report period	Value			{Do not report imported or purchased products on which your company performed no further fabrication or significant assembly.}		
			{ \$1000 }	1	2			
3345197135-All other instruments not listed above {see manual}	7220	2007						
		2006						
		2005						
3345197100-Total commercial, geophysical, meteorological, & general purp. instru. & equip. {sum of 7205-7220}	7297	2007						
		2006						
		2005						
SELECTED NONMANUFACTURING REVENUES								
999998900-Resales-Sales of products bought and sold without further manufacture, processing, or assembly	9945	2007						
		2006						
		2005						
999998041-Receipts for research and development work	9970	2007						
		2006						
		2005						

If all your items are not listed, please use additional lines or a blank sheet of paper.

PART II Has there been any change in the ownership or operation of this establishment during this period?
 Yes - Indicate type of change below. No - Skip to Part III.

	Name of company	Address (Number and street, city, State, ZIP Code)	Date of change
A. <input type="checkbox"/> Purchased from			
B. <input type="checkbox"/> Sold to			
C. <input type="checkbox"/> Plant discontinued all operations		Date	
D. <input type="checkbox"/> Plant operations no longer covered by this survey - Describe in "Remarks" the products currently produced.			
E. <input type="checkbox"/> Reorganized - Describe in "Remarks;" e.g., partnership change or change in corporate status.			

PART III Do the figures shown on this report and on your last report cover the identical establishments?
 Yes No - Indicate reasons for difference in "Remarks."

PART IV Remarks

PART V CERTIFICATION - This report is substantially accurate and has been prepared in accordance with instructions.

Signature of authorized official	Title	Date
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Complete and return this form in the envelope provided or to:	Bureau of the Census 1201 East Tenth Street Jeffersonville, IN 47132	NOTE: Please make a photocopy of this for your records.
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